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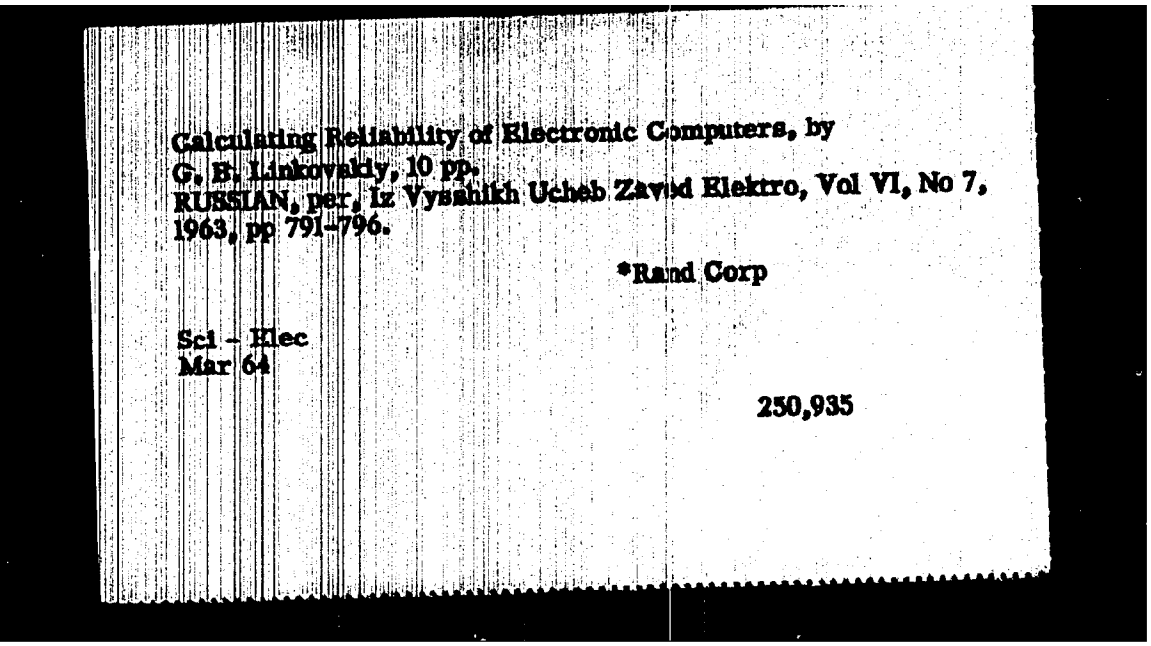

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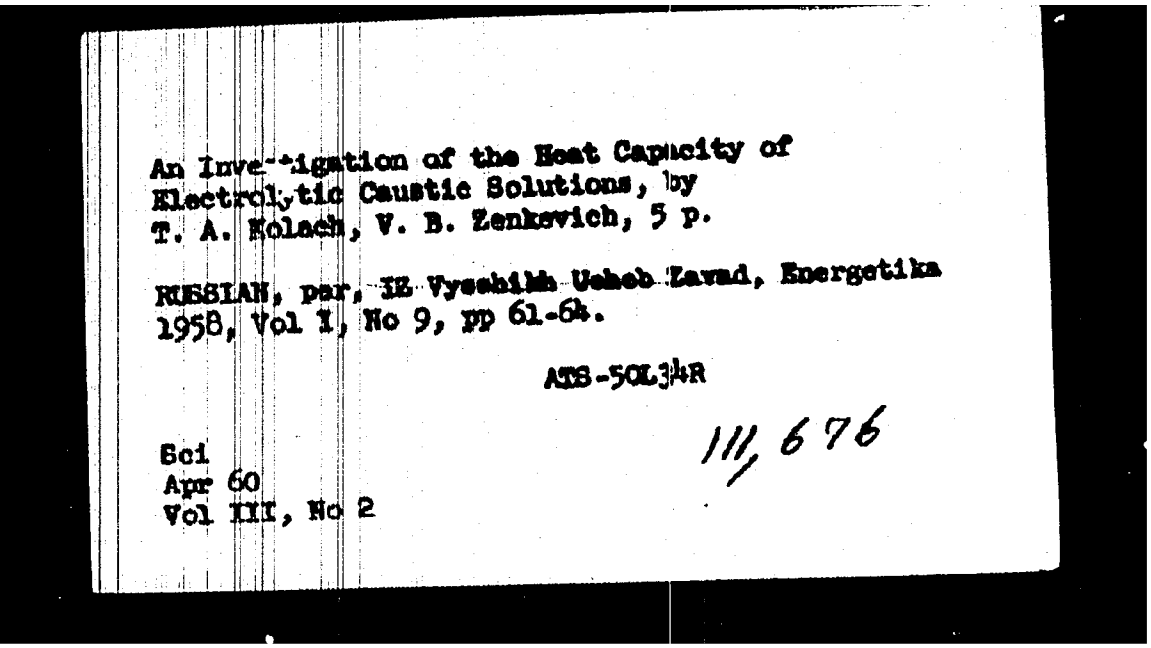

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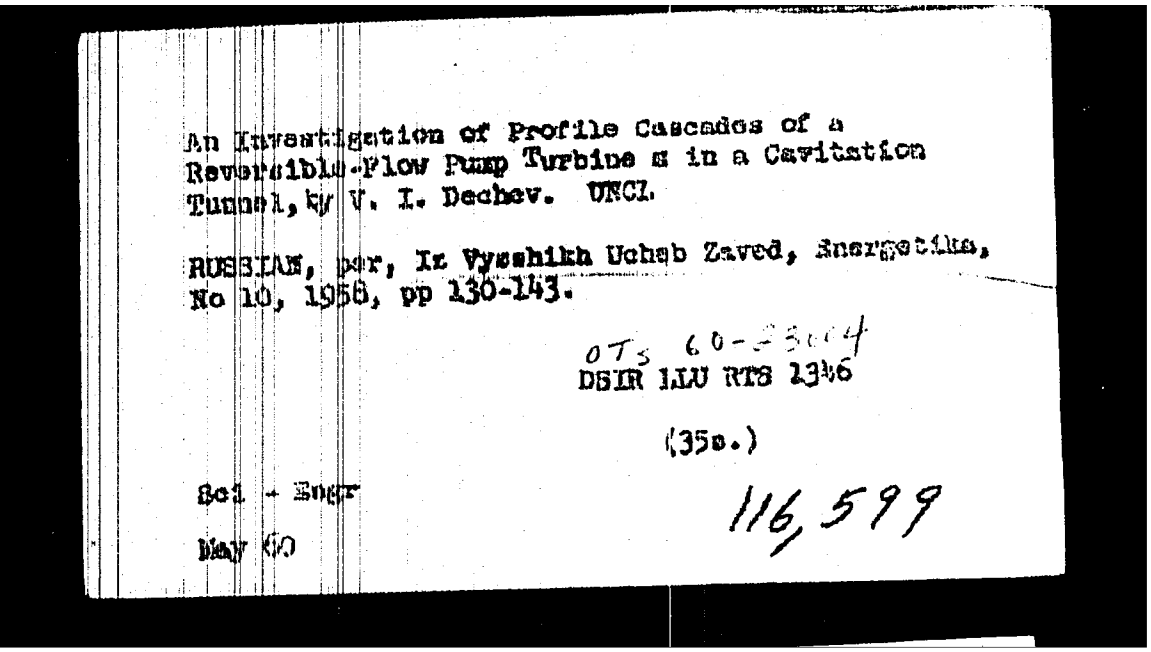

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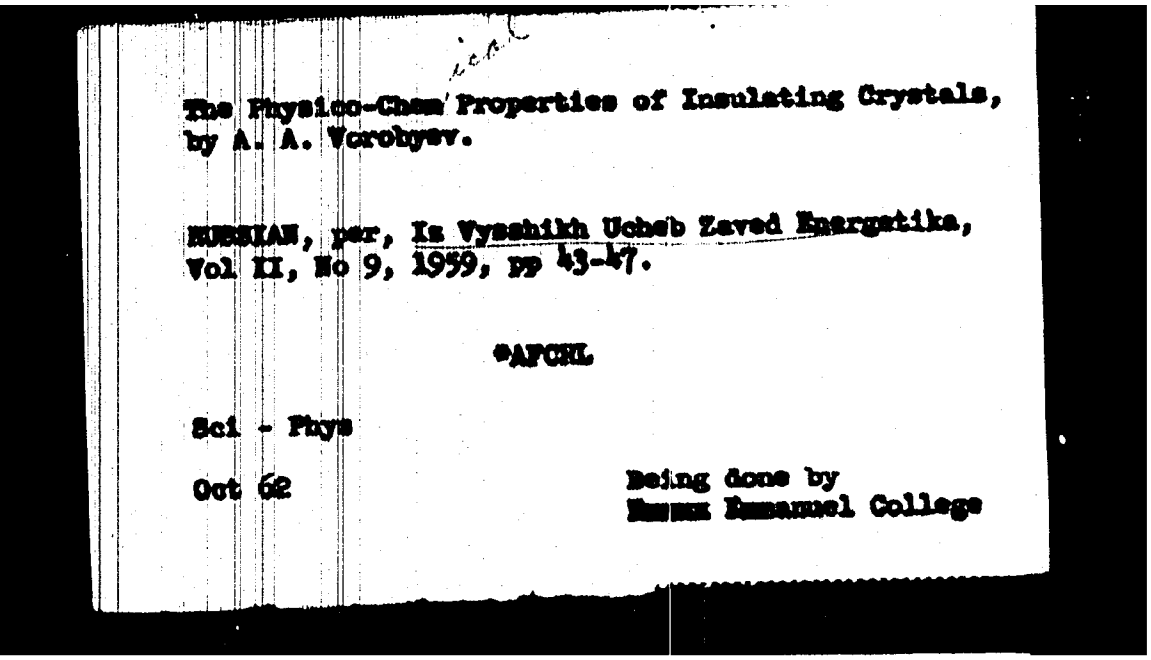

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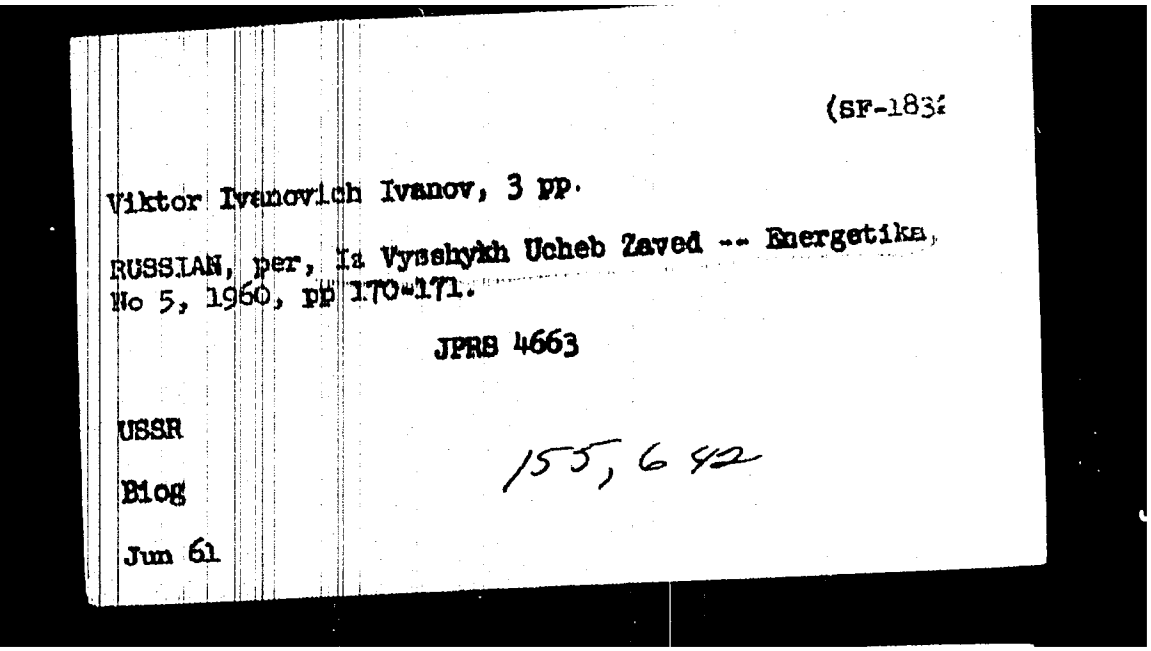

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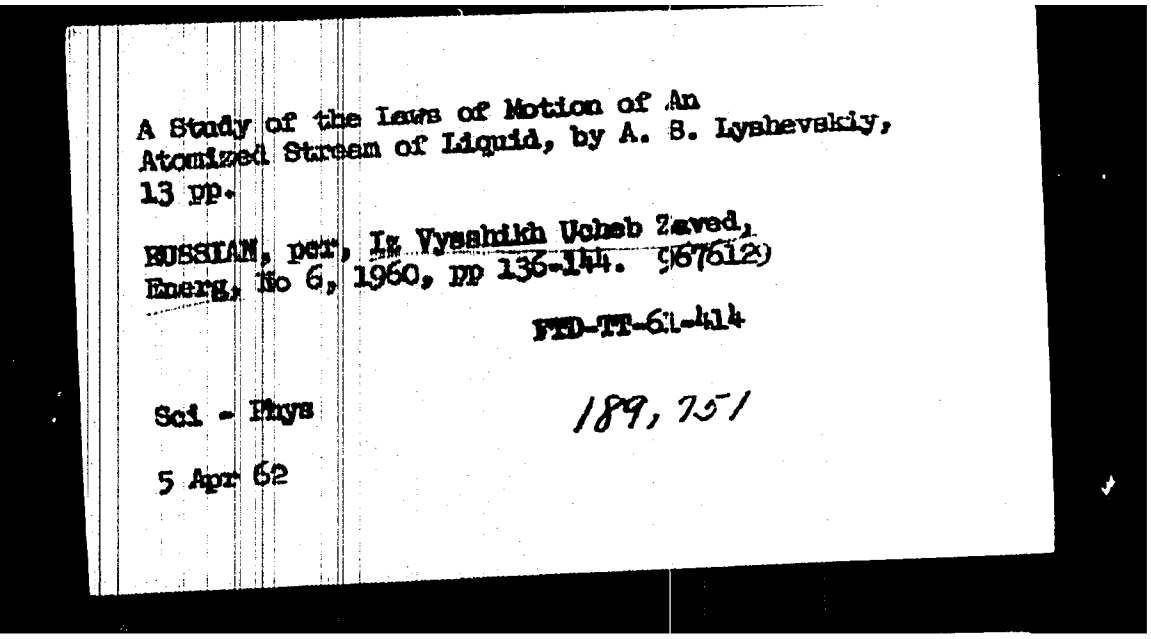

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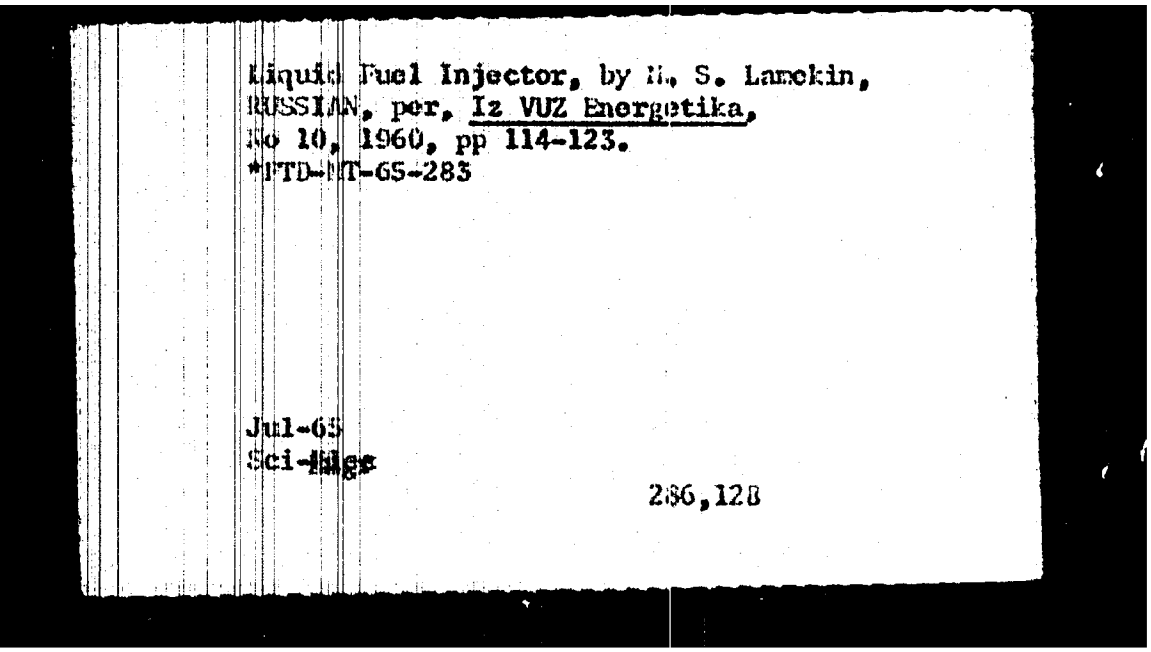

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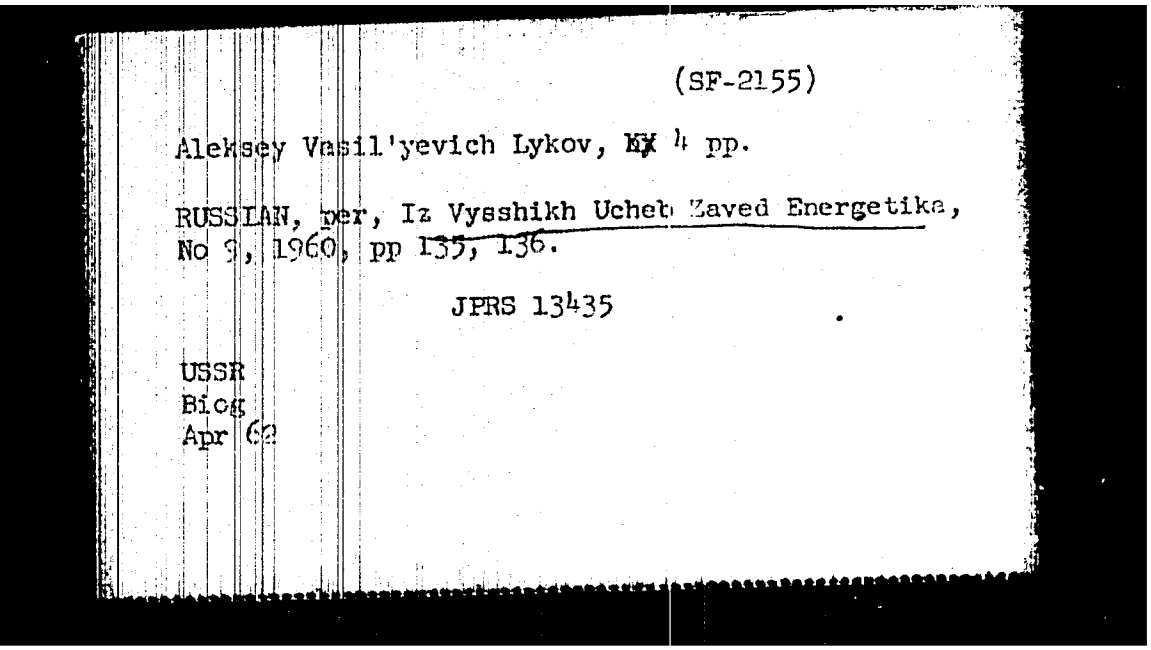

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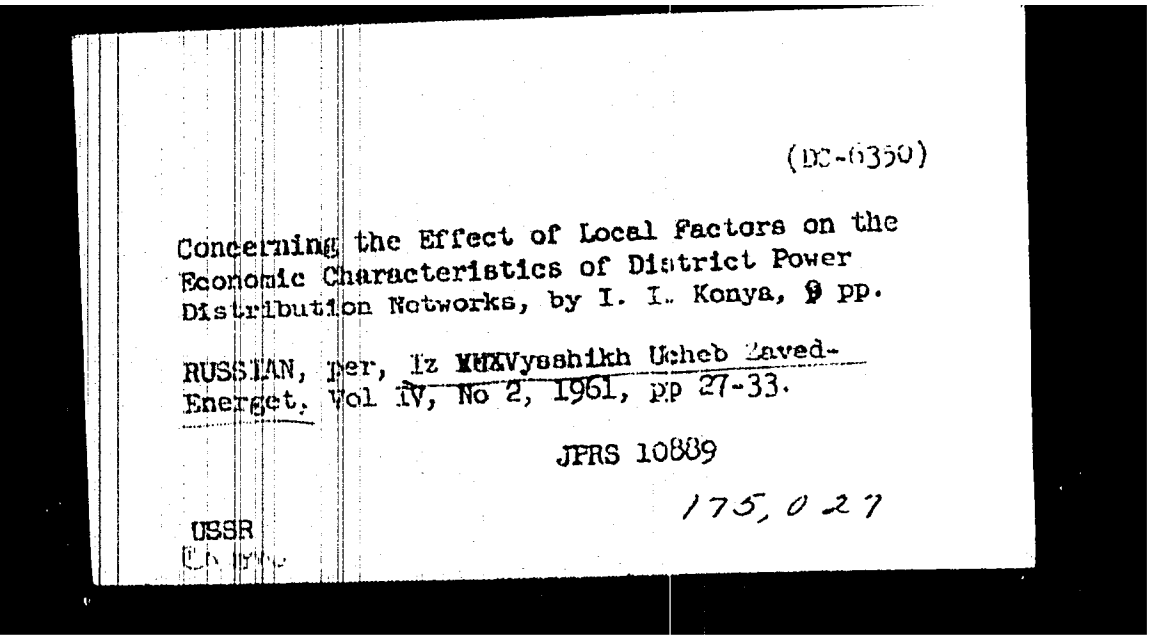

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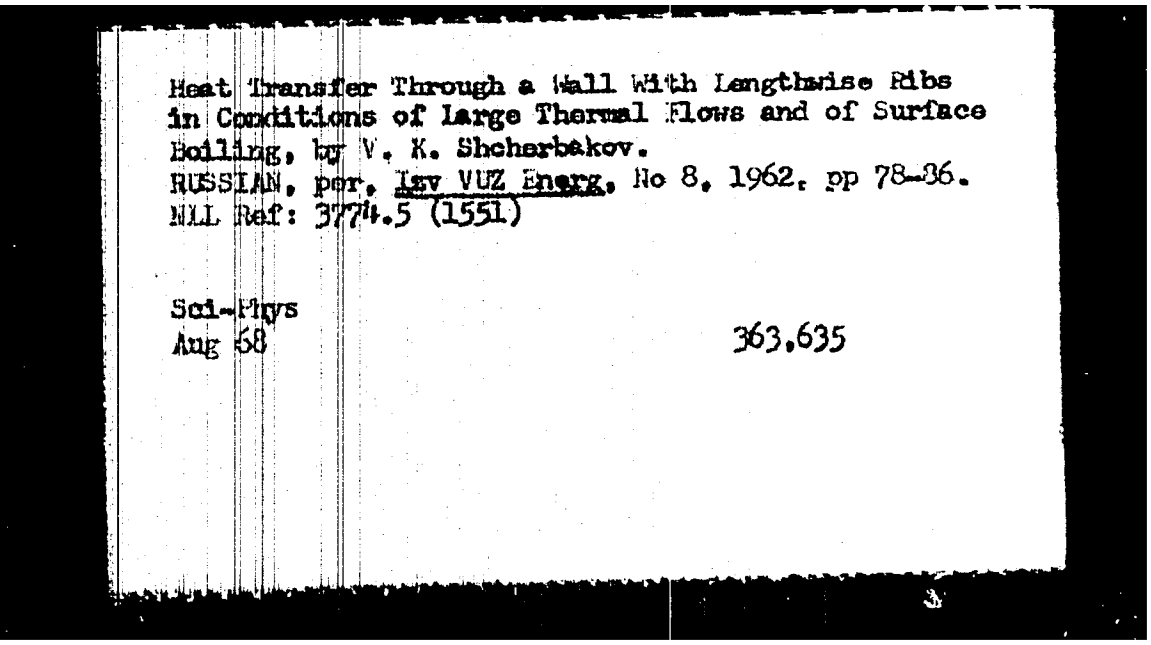

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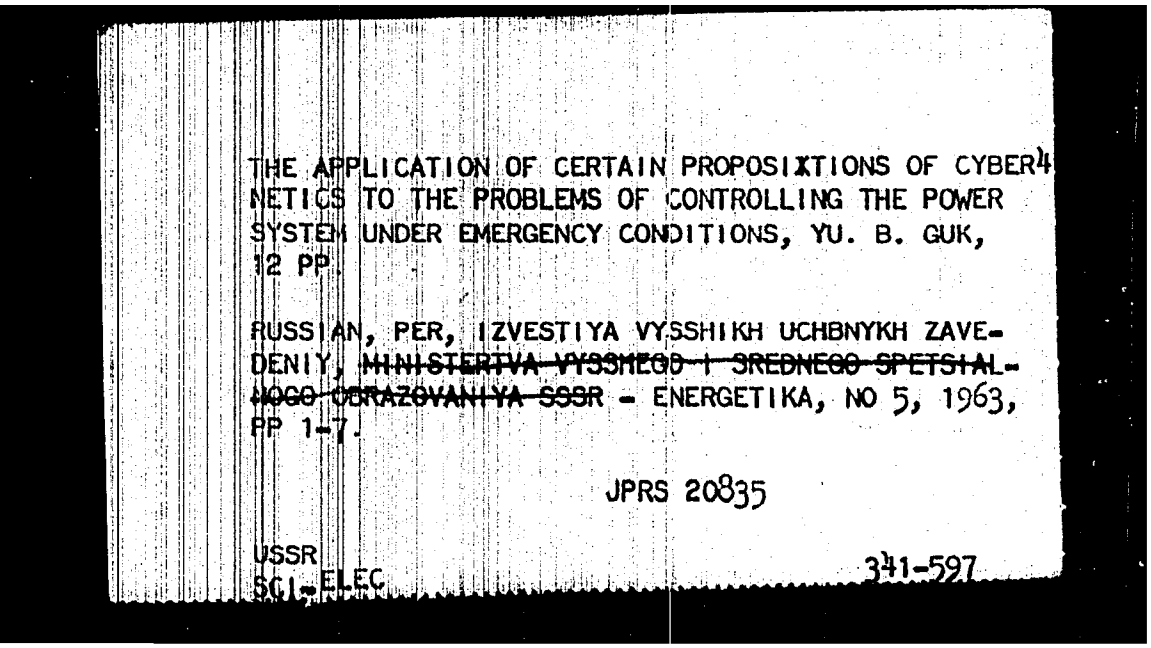

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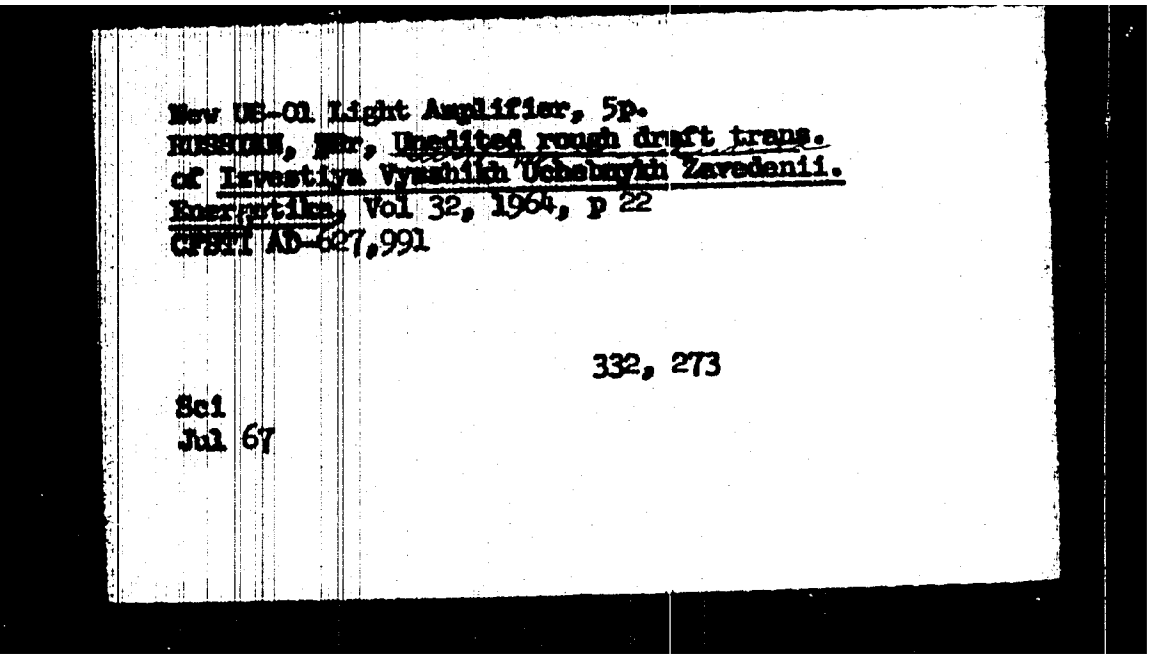

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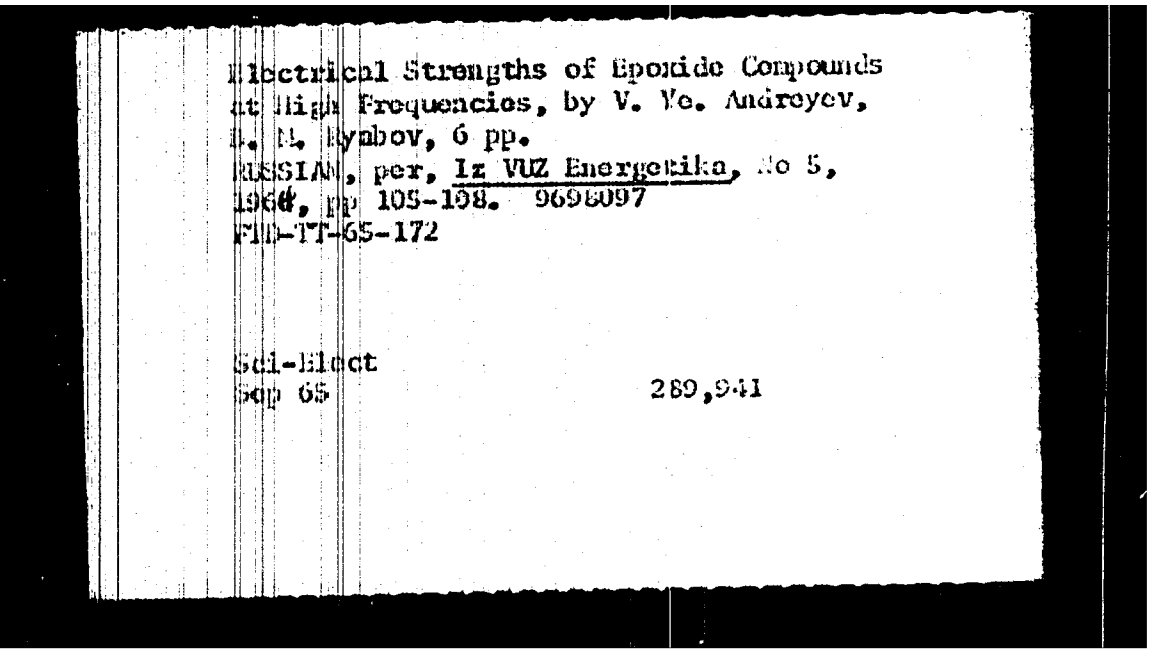

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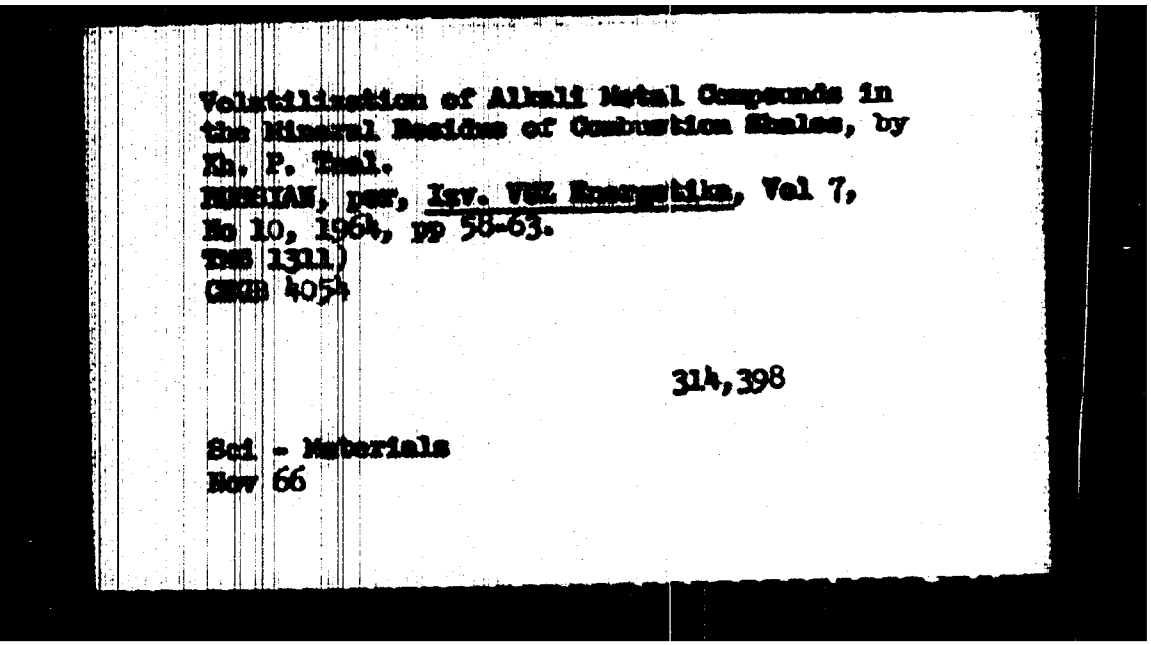

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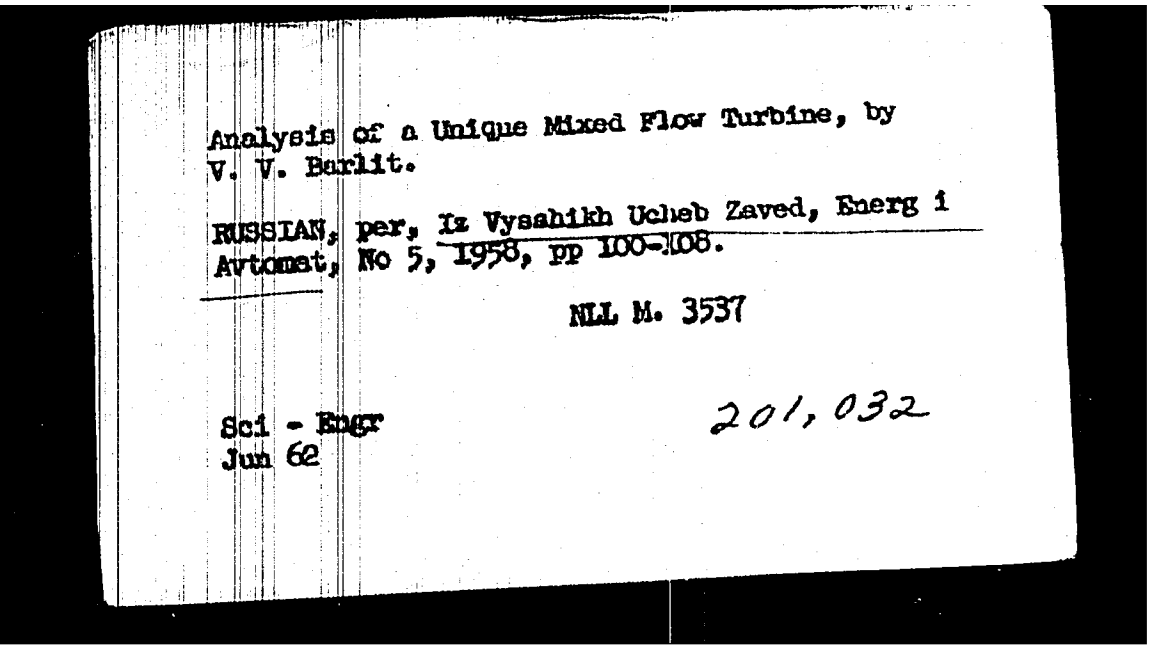

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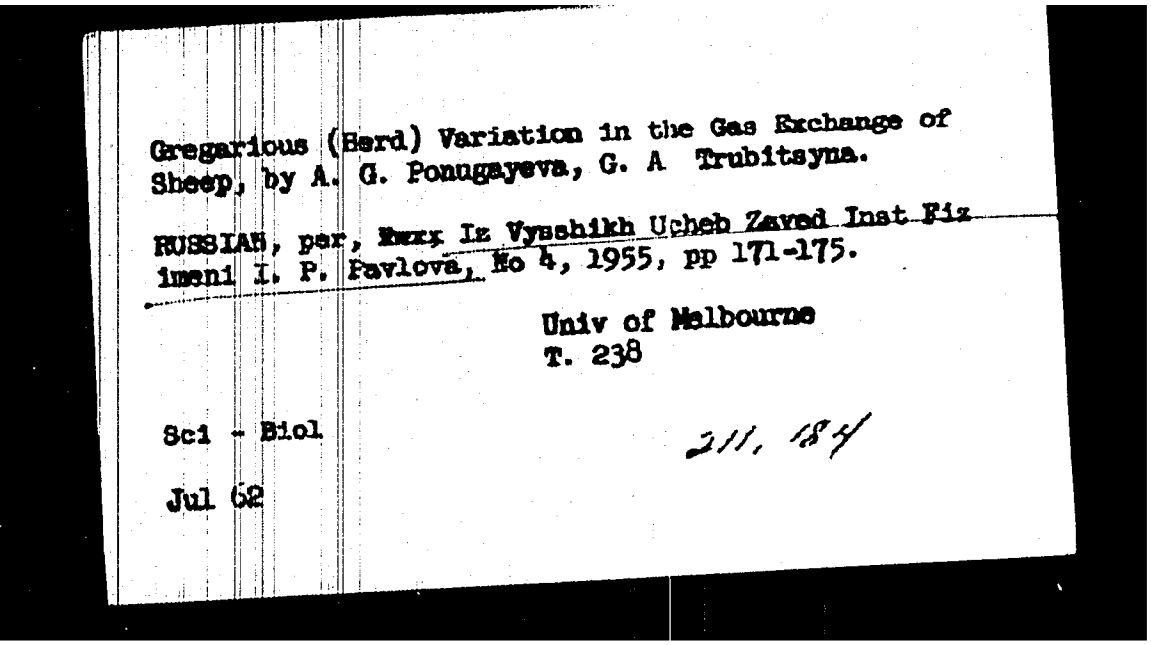

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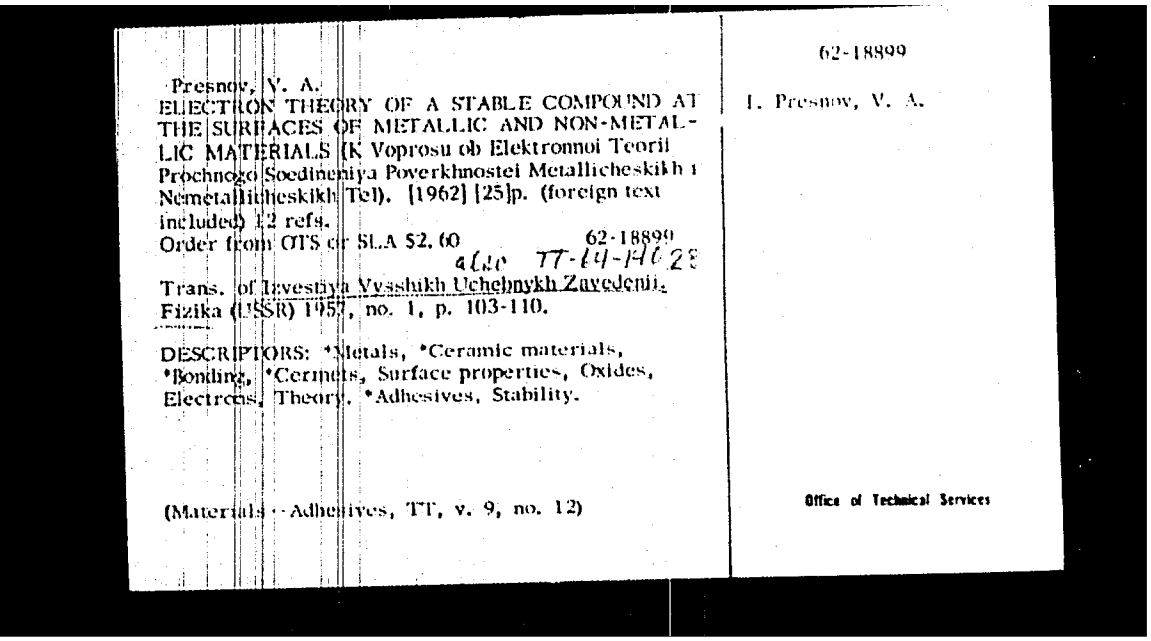

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DESCRIPTORS: *Metals, *Ceramic materials, *Bonding, *Cermets, Surface properties, Oxides, Electrons, Theory, *Adhesives, Stability.

(Materials--Adhesives, TT, v. 9, no. 12)

62-18899

I. Presnov, V. A.

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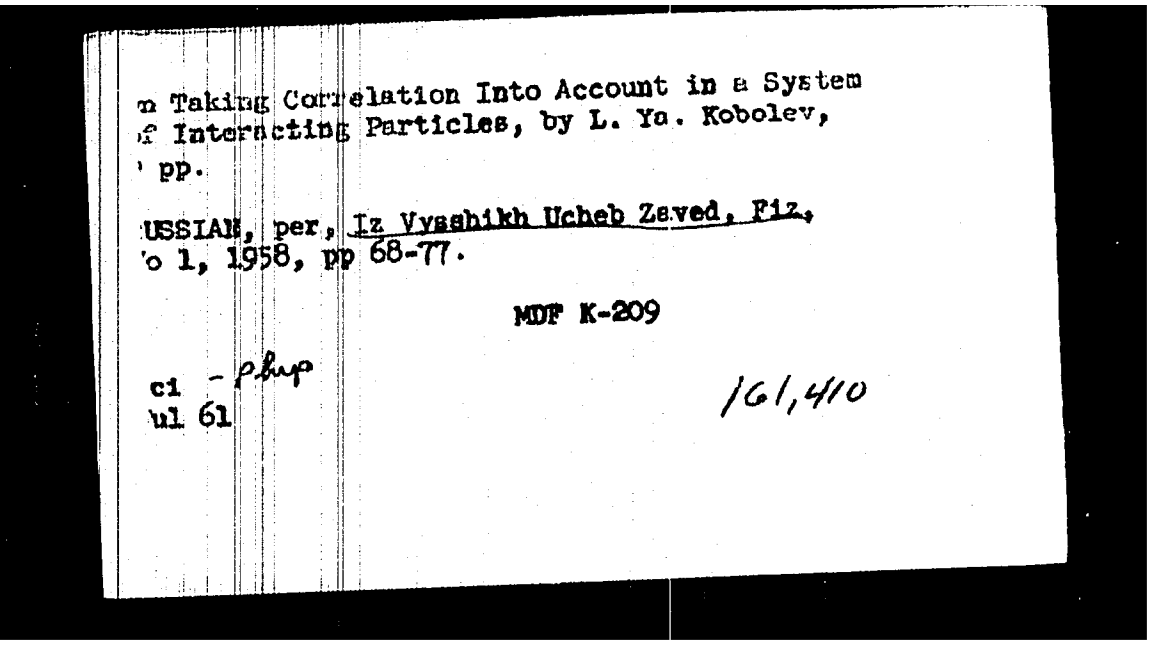

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MDF K-209

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ATIC MCL-448/V

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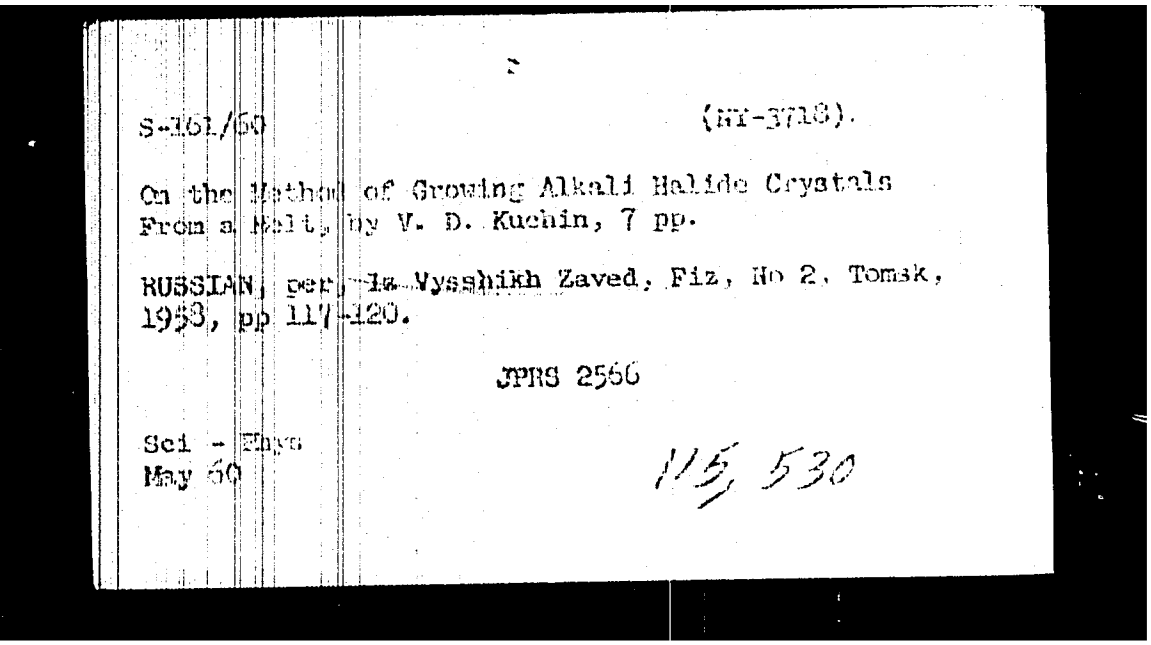

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Zadumkin, S. N.
AN APPROXIMATE CALCULATION OF THE SURFACE ENERGY OF IONIC CRYSTALS (Priblizhennyi Raschet Poverkhnostnoi Energii Ionnykh Kristallov) tr. by G. Belkov. 1961, 15p. 23 refs. NRCC Technical Trans. 948.
Order from NRCC $1.00 NRCC C-3641

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) 1958, no. 2, p. 151-158.

DESCRIPTORS: Alkali metals, Halides, Quantum mechanics, *Crystals, Surface properties, Temperature, *Ions, Energy.

(Chemistry--Physical, TT, v. 6, no. 6)

61-22396

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II. NRCC TT-948
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IV. National Research Council of Canada

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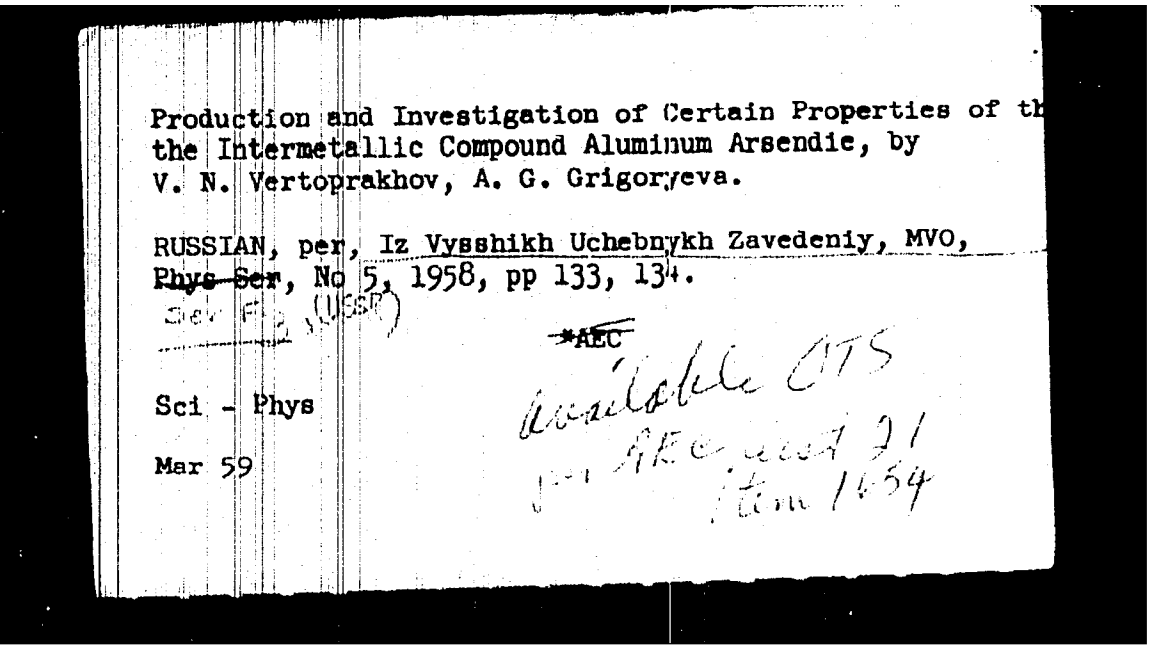

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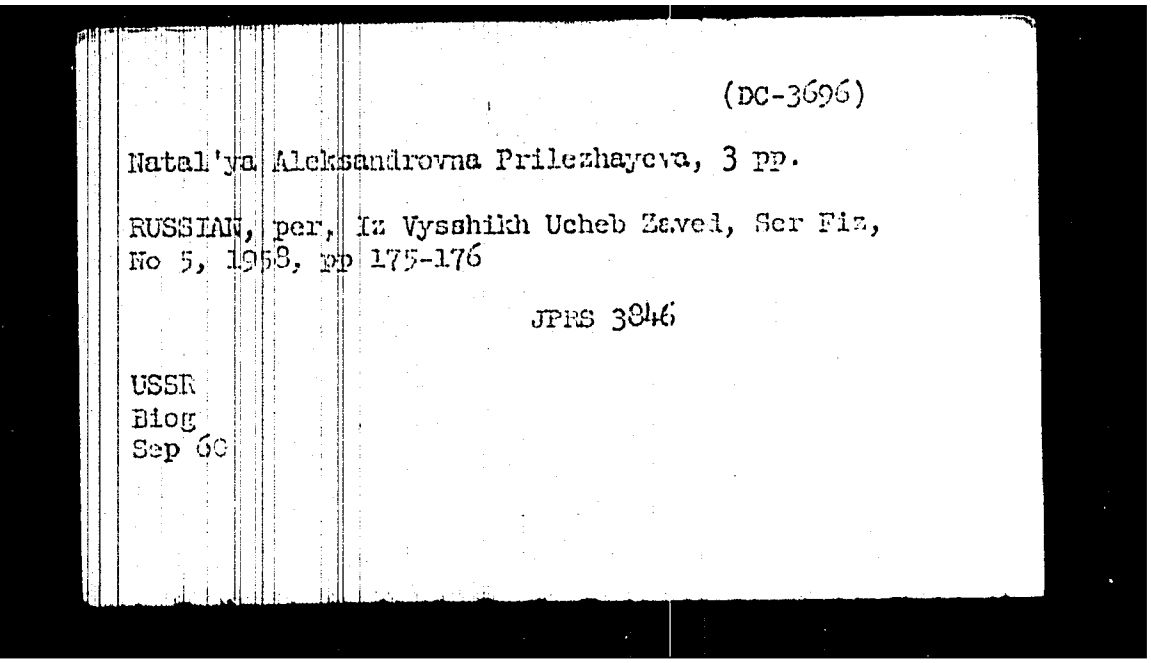

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JPRS 3846

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JPRS 5022

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130029-0

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Influence of Ultraviolet Irradiation on the Photoconductivity of Silve Bromide Crystals, by K. N. Loskutov.
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FTC-69-15754-20F

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The Effect of Vibrations on the Form of Single Crystals Grown by the Chorkhral'skiy Method, by A. P. Izergin, Yu. X. Pavlenko, S. A. Stroitelev, 5 pp.

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JPRS 3259

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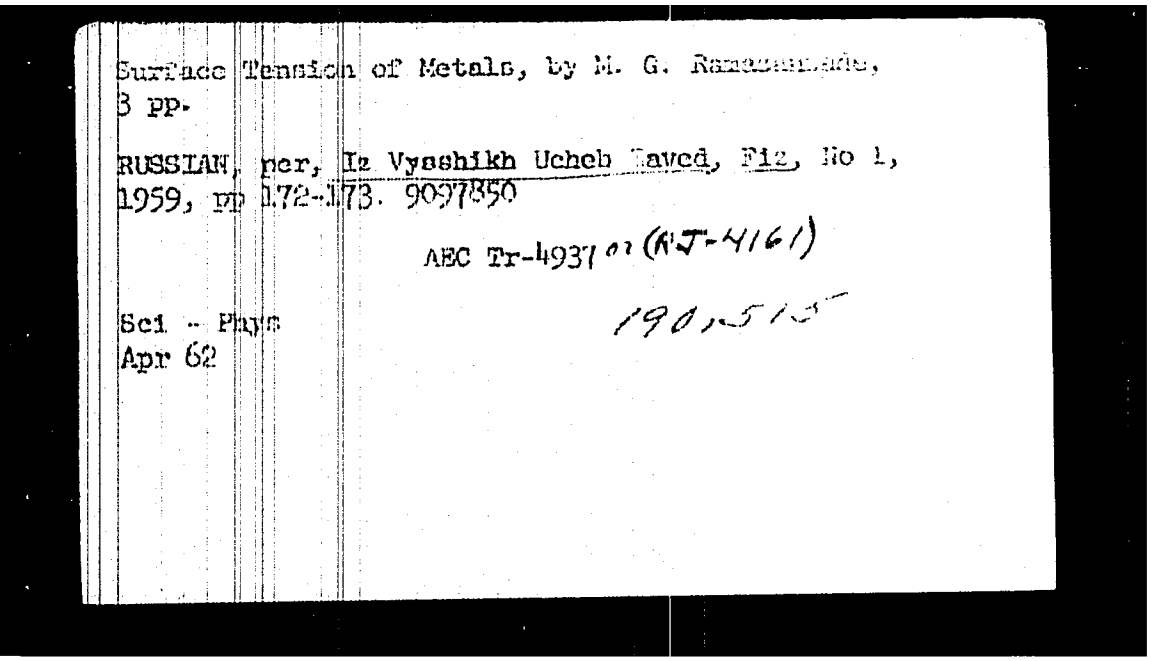
APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130029-0



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SLA 60-18140

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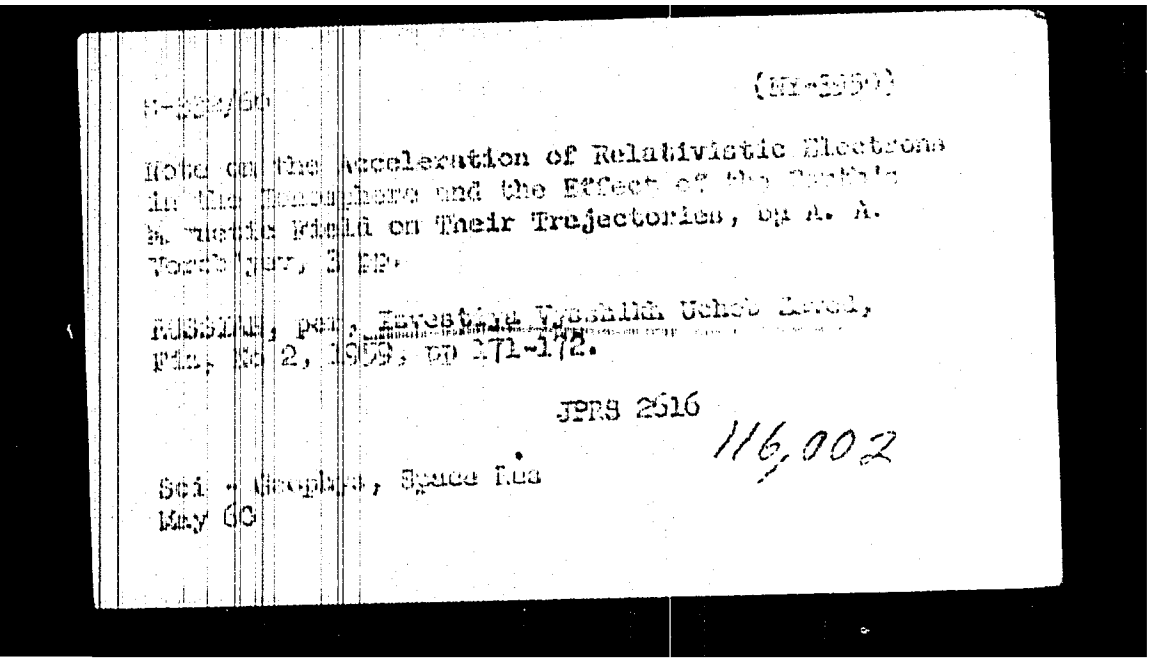

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Vjatkin, A. P. and Vertropakhov, V. N.
SURFACE ENERGY OF GERMANIUM FACES.
[1962] 7p. 9 refs.
Order from OTS or SLA $1.10 62-18090

Trans. of Izvestiya Vyashikh Uchebnykh Zavedenii. Fizika (USSR) 1959, no. 2, p. 169-170.

DESCRIPTORS: *Germanium, *Single crystals, Surface properties, Energy, Work functions.

The ratios of the surface energies of the faces of germanium single crystals are calculated. A correlation of the surface energy ratios and the work functions of different crystal faces, similar to the one exhibited in nickel, is not observed.

(Physical Solid State, TT, v. 8, no. 9)

62-18090

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II. Vertropakhov, V. N.

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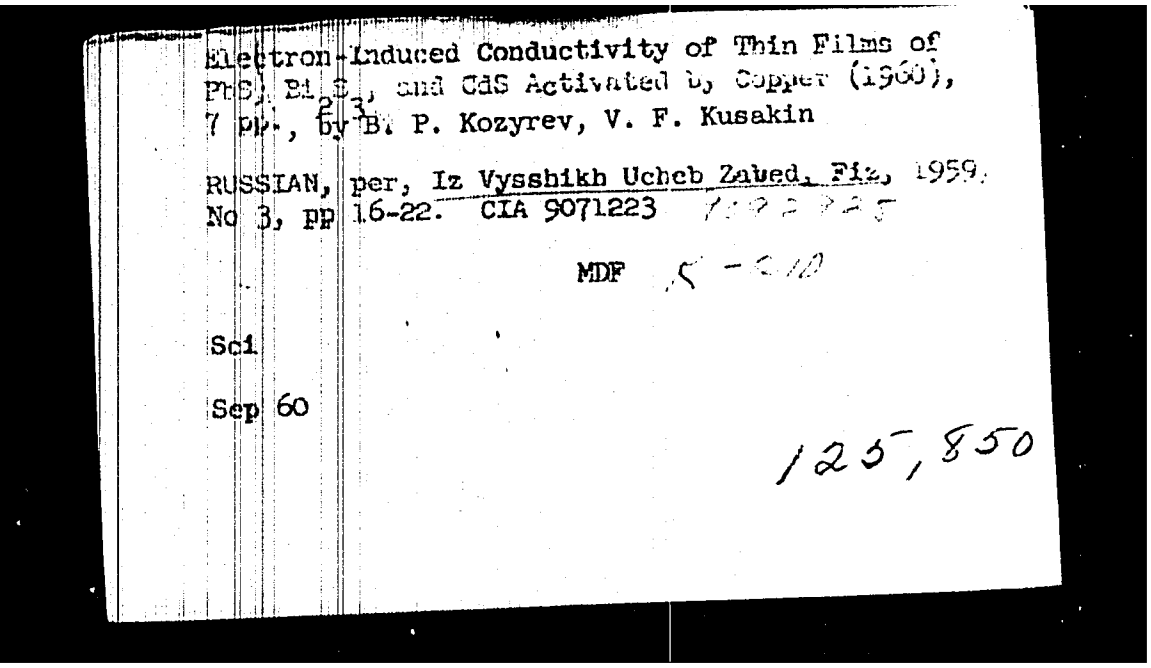

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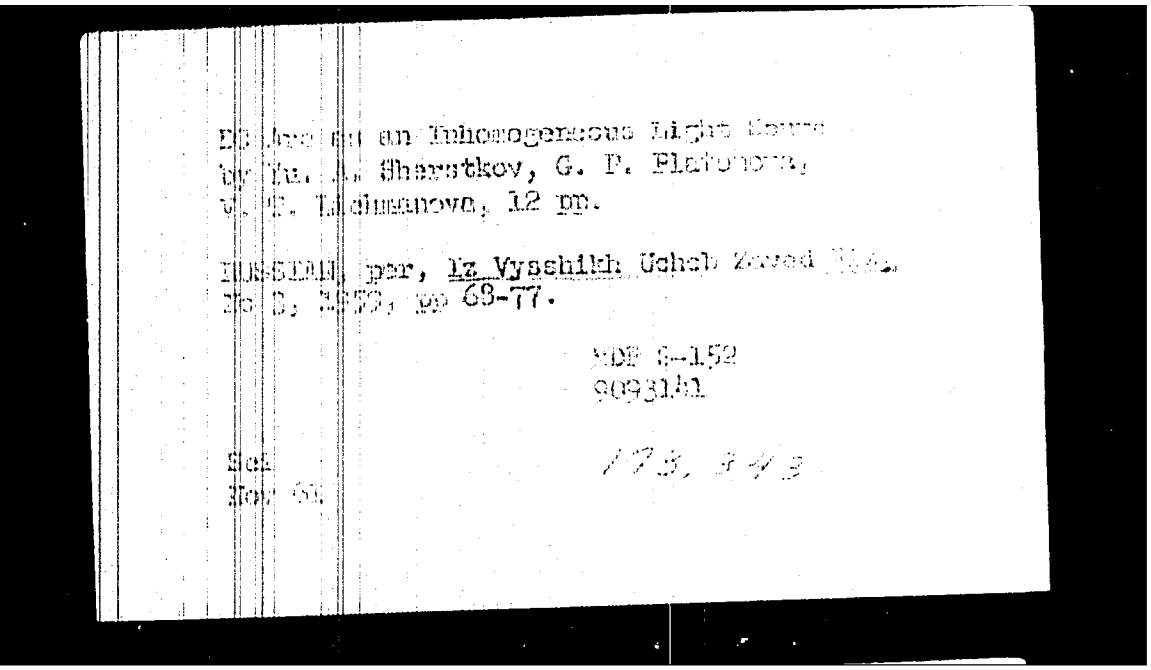

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by Yu. A. Sharutkov, G. P. Platonova,
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VDF 8-152
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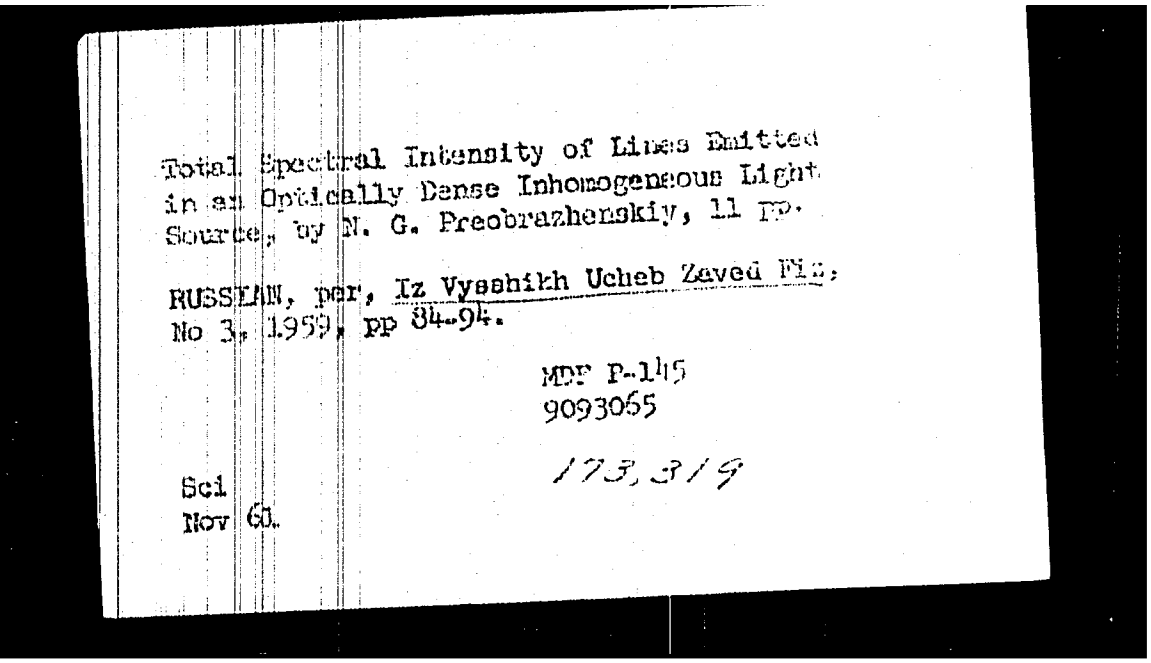

Total Spectral Intensity of Lines Emitted in an Optically Dense Inhomogeneous Light Source, by N. G. Preobrazhenskiy, 11 pp.

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MDP P-145
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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130029-0

Kulikov, O.
CALCULATION OF THE ENERGY OF THE POLARIZED RADIATION OF "SCINTILLATING" (LIGHT-EMITTING) ELECTRONS (Raschet Energii Polyarizovannogo Izlucheniya "Svetyashchegosya" Elektrona). [1962] 11 p. 5 refs.
Order from OTS or SLA $1.00 62-25570

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Fizika (USSR) 1959, no. 3, p. 95-101

DESCRIPTORS: *Electrons, Energy, Electromagnetic waves, *Polarization, Synchrotrons, Mathematical analysis.

Formulas were derived suitable for the numerical calculation of energy of the polarized electromagnetic radiation of electrons accelerated in a synchrotron. they are applicable to the case of continuous variation of energy in the accelerated particles according to a (Nuclear Physics--Particles, TT, v. 8, no. 8) (over)

62-25570

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